



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:) Docket No: H0004601
R. DILLEY ET AL.)
)
For: HEAT EXCHANGER) Group Art Unit : To be assigned
WITH FLOW DIRECTOR)
)
)
Serial No.: 10/632590) Examiner: To be assigned
)
Filed: August 1, 2003)

INFORMATION DISCLOSURE STATEMENT

Hon. Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Hon. Commissioner:

In accordance with the duty of disclosure under 37 C.F.R. §1.56 and pursuant to 37 C.F.R. §1.98, Applicants hereby notify the U.S. Patent of the documents listed below and identified on the attached form PTO/SB/08 for review by the Examiner during the examination of the above referenced application. Copies of the documents are provided for the Examiner's use.

The present Information Disclosure Statement is being filed (1) no later than three months from the application's filing date or (2) before the mailing date of the first Office Action on the merits (whichever is later), and therefore no certification under 37 C.F.R. §1.97(e) or fee under 37 C.F.R. §1.17 (p) is required.

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8
I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class mail in an envelope addressed to Assistant Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on OCT. 22, 2003
(Date of Deposit)

by 
Sheri N. Wilson

10/22/03
(Date)



U.S. PATENT DOCUMENTS		
US PATENT	DATE	NAME
1971842	01/15/1934	Young
2990163	06/27/1961	Farrell
3217793	11/16/1965	Coe
3983932	10/05/1976	Yamaguchi et al.
4574007	03/04/1986	Yearout et al.
4728468	03/01/1988	Duke
4905895	03/06/1990	Grebe et al.
5062475	11/05/1991	Bemisderfer et al.
5150278	09/22/1992	Lynes et al.
5209289	05/11/1993	Haushalter
5211222	05/18/1993	Shinmura
5505257	04/09/1996	Goetz
5669438	09/23/1997	Beales et al.
5927392	07/27/1999	Youn et al.
6065530	05/23/2000	Austin et al.
6125926	10/03/2000	Okamoto et al.
6247523	06/19/2001	Shibagaki et al.
6435268	08/20/2002	Bhatti et al.
US20020074105A1	06/20/2002	Hayashi et al.

FOREIGN PATENT DOCUMENTS		
FOREIGN PATENT	DATE	ASSIGNEE
JP 410331724A	12/15/1998	Calsonic Corp.
JP 411303689A	11/02/1999	Tokyo Radiator MFG Co., Ltd.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicants do not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

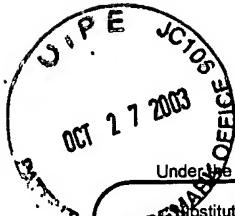
Applicants respectfully request that the listed documents be considered by the Examiner and be made of record in the present application and that an initialed copy of the Form PTO/SB/08 be returned in accordance with MPEP §609.

Date: Oct. 22, '03
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Respectfully submitted,



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TRADESMAR KET OFFICE		Complete if Known	
Substitute for form 1449/PTO		Application Number	10/632,590
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Filing Date	August 1, 2003
		First Named Inventor	R. Dilley et al.
		Art Unit	TBD
		Examiner Name	TBD
		Attorney Docket Number	H0004601

Sheet 1 of 1

U. S. PATENT DOCUMENTS				
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number-Kind Code ² (if known)		Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US- 1971842	01/15/1934	Young
		US- 2990163	06/27/1961	Farrell
		US- 3217793	11/16/1965	Coe
		US- 3983932	10/05/1976	Yamaguchi et al.
		US- 4574007	03/04/1986	Yearout et al.
		US- 4728468	03/01/1988	Duke
		US- 4905895	03/06/1990	Grebe et al.
		US- 5062475	11/05/1991	Bemisderfer et al.
		US- 5150278	09/22/1992	Lynes et al.
		US- 5209289	05/11/1993	Haushalter
		US- 5211222	05/18/1993	Shinmura
		US- 5505257	04/09/1996	Goetz
		US- 5669438	09/23/1997	Beales et al.
		US- 5927392	07/27/1999	Youn et al.
		US- 6065530	05/23/2000	Austin et al.
		US- 6125926	10/03/2000	Okamoto et al.
		US- 6247523	06/19/2001	Shibagaki et al.
		US- 6435268	08/20/2002	Bhatti et al.
		US- 20020074105A1	06/20/2002	Hayashi et al.

FOREIGN PATENT DOCUMENTS				
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)		Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
		JP 410331724 A	12/15/1998	Calsonic Corp.
		JP 411303689 A	11/02/1999	Tokyo Radiator

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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